This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

## Claims 1. – 14. (Canceled)

Claim 15 (Currently Amended) An antibody-dye conjugate that accumulates in an edge area of cell tissue of a focus of a disease and thus makes the edge area of the focus of the disease optically detectable,

wherein the conjugate is a compound of formula I

$$A-(F)_n$$

wherein

A is an antibody or an antibody fragment with high binding affinity to EDB-fibronectin,

F is a cyanine dye of formula II

$$D = B - \bigvee_{\substack{N^+ \\ R^1}} L - \bigvee_{\substack{II}}$$

D is a radical III or IV

wherein the position labeled with \* designates the interface site with radical B,

B is a group of formula V, VI, VII, VIII or IX

- $R^1$  and  $R^2$  are, each independently,  $C_1$ - $C_4$  sulphoalkyl, a saturated or unsaturated, branched or linear  $C_1$ - $C_{50}$  alkyl chain, which is optionally substituted with up to 15 oxygen atoms, optionally substituted with up to 3 carbonyl groups, and optionally substituted with up to 5 hydroxy groups,
- $R^3$  is  $-COOE^1$ ,  $-CONE^1E^2$ ,  $-NHCOE^1$ ,  $-NHCONHE^1$ ,  $-NE^1E^2$ ,  $-OE^1$ ,  $-OSO_3E^1$ ,  $-SO_3E^1$ ,  $-SO_2NHE^1$  or  $-E^1$ ,
- $E^1$  and  $E^2$  are, independently of one another, a hydrogen atom,  $C_1$ - $C_4$  sulphoalkyl, saturated or unsaturated, branched or straight-chain  $C_1$ - $C_{50}$  alkyl, which is optionally interrupted with up to 15 oxygen atoms, and optionally interrupted with up to 3 carbonyl groups, and is optionally substituted with up to 5 hydroxy groups,
- R<sup>4</sup> is a hydrogen atom or a fluorine, chlorine, bromine or iodine atom,
- b is 2 or 3,
- X is oxygen, sulphur, =C(CH<sub>3</sub>)<sub>2</sub> or -(CH=CH)-,

Y is 
$$=C(CH_3)_2$$
,

L is a direct bond or <u>a linker which is</u> a straight-chain or branched carbon chain with up to 20 carbon atoms, which is optionally substituted with one or more -OH, -COOH, or SO<sub>3</sub> groups and optionally interrupted, in one or more places, by an -O-, -S-, -CO-, -CS-, -CONH-, -NHCO-, -NHCSNH-, -SO<sub>2</sub>-, PO<sub>4</sub>- or an -NH-group or an aryl ring,

and

n is 1 to 5,

and wherein said conjugate accumulates in an edge area of cell tissue of a focus of a disease and thus makes the edge area of the focus of the disease optically detectable.

**Claim 16 (Previously Presented)** An antibody-dye conjugate according to Claim 15, wherein the antibody is L19 or E1.

**Claim 17 (Previously Presented)** An antibody-dye conjugate according to Claim 15, wherein the dye in the visible spectral range of light induces an optical signal.

**Claim 18 (Previously Presented)** An antibody-dye conjugate according to Claim 16, wherein the dye in the visible spectral range of light induces an optical signal.

**Claim 19 (Previously Presented)** An antibody-dye conjugate according to Claim 15, wherein the dye induces a fluorescence signal only with use of a defined wavelength range of visible or near-infrared light.

**Claim 20** (**Previously Presented**) An antibody-dye conjugate according to Claim 16, wherein the dye induces a fluorescence signal only with use of a defined wavelength range of visible or near-infrared light.

**Claim 21** (**Previously Presented**) A pharmaceutical composition comprising one or more antibody-dye conjugates according to Claim 15 and a pharmaceutically acceptable solvent, buffer or vehicle.

Claim 22 (Previously Presented) A pharmaceutical composition comprising one or more antibody-dye conjugates according to Claim 16 and a pharmaceutically acceptable solvent, buffer or vehicle.

**Claim 23 (Previously Presented)** A method for intraoperative visualization of edge areas of a focus of a disease comprising administering an antibody-dye conjugate according to Claim 15 and visualizing the edge areas of a focus of a disease during an operation on a patient.

**Claim 24 (Previously Presented)** A method according to Claim 23, wherein the visualization is microscopic and macroscopic.

**Claim 25 (Previously Presented)** A method according to Claim 23, wherein the disease is an angiogenesis-dependent disease, malignant tumor or metastases thereof, benign tumor, precancerous tissue changes, endometriosis, hemangiomas or an ectopic pregnancy.

**Claim 26 (Previously Presented)** A method for visualization of edge areas of a focus of a disease during surgery comprising administering an antibody-dye conjugate according to Claim

15 and visualizing the edge areas of a focus of a disease during surgery on a patient, wherein the disease is an angiogenesis-dependent disease, malignant tumor or metastases thereof, benign tumor, precancerous tissue changes, endometriosis, hemangiomas or an ectopic pregnancy.

**Claim 27 (Previously Presented)** A method for intraoperative visualization of foci of a disease comprising administering an antibody-dye conjugate according to Claim 16 and visualizing edge areas of a focus of a disease.

**Claim 28 (Previously Presented)** A method for intraoperative visualization of edge areas of a focus of a disease comprising administering an antibody-dye conjugate according to Claim 16 and visualizing edge areas of a focus of a disease.

**Claim 29 (Previously Presented)** A method according to Claim 28, wherein the visualization is microscopic and macroscopic.

**Claim 30 (Previously Presented)** A method according to Claim 27, wherein the disease is an angiogenesis-dependent disease, malignant tumor, or metastases thereof, benign tumor, precancerous tissue changes, endometriosis, hemangiomas or an ectopic pregnancy.

Claim 31 (Previously Presented) A method for visualization of edge areas of a focus of a disease during surgery comprising administering an antibody-dye conjugate according to Claim 16 and visualizing the edge areas of a focus of a disease during, wherein the disease is an angiogenesis-dependent disease, malignant tumor or metastases thereof, benign tumor, precancerous tissue changes, endometriosis, hemangiomas or an ectopic pregnancy.

**Claim 32** (**Previously Presented**) A method for intraoperative visualization of edge areas of a focus of a disease comprising administering an antibody-dye conjugate according to Claim 18 and visualizing edge areas of a focus of a disease.

**Claim 33 (Previously Presented)** A method for intraoperative visualization of edge areas of a focus of a disease comprising administering an antibody-dye conjugate according to Claim 20 and visualizing edge areas of a focus of a disease.

**Claim 34 (Previously Presented)** An antibody-dye conjugate according to Claim 15, wherein the dye is bis-1,1'-(4-sulfobutyl)indocarbocyanine.

**Claim 35 (Previously Presented)** An antibody-dye conjugate according to Claim 15, wherein the dye is bis-1,1'-(4-sulfobutyl)indocarbocyanine and the antibody is L19.

Claim 36 (New) An antibody-dye conjugate of Claim 15 wherein D is III and B is VIII.

Claim 37 (New) An antibody-dye conjugate of Claim 36 wherein  $R^3$  is H or  $SO_3H$ , X is  $=C(CH_3)_2$ ;  $R^1$  and  $R^2$  are  $C_1$ - $C_4$ -sulphoalkyl and  $R^4$  is H.